

Conference Agenda

SEFI 2019 Annual Conference

Date: Sunday, 15/Sep/2019

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| 10:00am | Doctoral Symposium in Engineering Education |
| - | Location: K I 95 |
| 4:00pm | Chair: Kristina Edström |
| | Chair: Jonte Bernhard |
| | Chair: Tinne De Laet |
| 3:30pm | Registration opens and welcome coffee/tea break |
| - | Location: First floor building K |
| 4:00pm | |
| 5:00pm | Board Of Directors Meeting |
| - | Location: K I 97 |
| 6:00pm | Chair: Michael Noel Murphy |
| | on invitation only |
| 6:00pm | Get together |
| - | Location: Ceremony Hall |
| 8:00pm | |

Date: Monday, 16/Sep/2019

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| 8:00am - 9:00am | Registration desk opens and welcome coffee/tea - Monday Location: First floor building K | | | | | | | |
| 9:00am - 9:50am | Conference Opening Location: Building K aula Chair: Balázs Vince Nagy | | | | | | | |
| 9:50am - 10:05am | Coffee/tea break 16 Sep morning Location: First floor building K | | | | | | | |
| 10:05am - 11:45am | Oral presentations: Diversity in Engineering Education? Location: K I 34 Chair: Krisztina László | Oral presentations: Integrated learning environments for the digital native learners Location: K I 50 Chair: Zoltán Hell | Oral presentations: Lifelong Learning Location: K I 55 Chair: Anikó Kálmán | Oral presentations: Sustainability reflecting the complexity of modern society Location: K I 72 Chair: Gyula Zilahy | Workshop: Digital Testing Location: K I 95 Chair: Marloes Gertrude Luttkhuis | Workshop: Green Logistics Location: K I 97 Chair: Araceli Queiruga-Dios | Workshop: Medvematek Project Location: K F 73 Chair: Péter Kovács | Workshop: Physical Computing Location: K F 72 Chair: Shannon Massie Chance |
| 11:45am - 12:55pm | Lunch 16 Sep Location: First floor building K | | | | Lunch for SEFI newcomers Location: Ceremony Hall | | | |
| 1:00pm - 2:00pm | Keynote lecture: Tibor Navracsics Location: Building K aula Chair: Michael Noel Murphy | | | | | | | |
| 2:00pm - 2:15pm | Special interest groups (Working Groups) pitches Location: Building K aula Chair: Yolande Berbers | | | | | | | |
| 2:15pm - 3:55pm | Working Group: Attractiveness in Engineering Education Location: K I 50 Chair: Klara Kövesi Chair: Katriina Schrey-Niemenmaa | Working Group: Engineering Research Location: K I 55 Chair: Tinne De Laet | Working Group: Physics Location: K F 72 Chair: Juho Tiili | Workshop: Circular Economy Location: K I 97 Chair: Kirsten Schmidt | Workshop: Design Thinking Location: K I 95 Chair: Lueny Morell | Workshop: Ethics in Engineering Education Location: K I 34 Chair: Gunter Bombaerts | Workshop: New Teaching Location: K F 73 Chair: Gabriella Tarján Participants can take part in our workshop only if they bring their own devices (laptops are preferred). | Workshop: Phenomenography Location: K F 79 Chair: Mike Mimirinis |
| 3:55pm - 4:15pm | Coffee/tea break 16 Sep afternoon Location: First floor building K | | | | | | | |
| 4:15pm - 5:15pm | Discussions: Diversity in Engineering Education? Location: K F 72 Chair: Gillian Nicola Saunders-Smiths | Do it in practice - Discussions Location: K F 73 Chair: Peter Toth | Oral presentations: 4th Industrial Revolution Location: K I 50 Chair: Aida Olivia Guerra | Oral presentations: New complexity quest in engineering sciences Location: K I 55 Chair: John Mitchell | Orals presentations: Integrated learning environments for the digital native learners Location: K I 34 Chair: Greet Langie | Oral presentations: New notions of interdisciplinarity in engineering education Location: K I 95 Chair: Tamás Kozma | Oral presentations: Fundamentals of Engineering Education: Mathematics and Physics Location: K I 97 Chair: Daniela Velichová | Oral presentations: Talent Management Location: K I 72 Chair: Marco Santambrogio |
| 5:15pm - 5:30pm | Break | | | | | | | |
| 5:30pm - | Special interest meeting: | Special interest meeting: | Special interest meeting: | Special interest meeting: | Special interest meeting: | Special interest meeting: Curriculum | Special interest meetings: | Special interest meeting: Engineering skills |

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| 5:30pm - | Quality and accreditation Location: K F 72 Chair: Anne-Marie Jolly open to all participants | Open and online education Location: K I 34 Chair: Calvin David Rans open to all participants | Engineering Education Research Location: K I 97 Chair: Tinne De Laet open to all participants | Gender and diversity Location: K I 55 Chair: Ines Direito open to all participants | Attractiveness development Location: K I 95 Chair: Katriina Schrey-Niemenmaa open to all participants | Sustainability Location: K F 79 open to all participants | Location: K I 72 Chair: Kamel Hawwash open to all participants |
| 6:15pm | Special interest meeting: Physics Location: K I 96 Chair: Juho Tiili open to all participants | Special interest meeting: Mathematics Location: K I 50 Chair: Daniela Velichová open to all participants | Special interest meeting: Continuing engineering education - lifelong learning Location: K F 73 Chair: Bente Nørgaard open to all participants | Special interest meeting: Ethics Location: K I 21 Chair: Roland Tormey open to all participants | | | |
| 6:15pm - | Break | | | | | | |
| 6:30pm - | SEFI Welcome Reception & Award Ceremony Location: Building K aula | | | | | | |
| 9:00pm | | | | | | | |

Date: Tuesday, 17/Sep/2019

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| 8:00am | Registration desk opens and welcome coffee/tea - Tuesday | | | | | | | | |
| - | Location: First floor building K | | | | | | | | |
| 9:00am | Keynote lecture: Valeria Csepe | | | | | | | | |
| - | Location: Building K aula | | | | | | | | |
| 9:45am | Chair: Michael Noel Murphy | | | | | | | | |
| 9:45am | Poster pitches | | | | | | | | |
| - | Location: Building K aula | | | | | | | | |
| 10:00am | Chair: Linda Citterio | | | | | | | | |
| 10:00am | Coffee/tea break and posters view | | | | | | | | |
| - | Location: Ceremony Hall | | | | | | | | |
| 11:00am | Discussions mixed topics | Oral presentations: 4th Industrial Revolution | Oral presentations: New complexity quest in engineering sciences | Oral presentations: Diversity in Engineering Education? | Oral presentations: Integrated learning environments for the digital native learners | Oral presentations: New notions of interdisciplinarity in engineering education | Oral presentations: Lifelong Learning | Oral presentations: Fundamentals of Engineering Education: Mathematics and Physics | SEFI meets ESTIEM |
| - | Location: K F 72 | Location: K I 50 | Location: K I 55 | Location: K I 34 | Location: K I 72 | Location: K I 95 | Location: K I 97 | Location: K F 76 | Location: K I 96 |
| 12:00pm | Chair: Anne-Marie Jolly | Chair: Bente Nørgaard | Chair: Anne Patricia Gardner | Chair: Manfred J. Hampe | Chair: Károly Veszprémi | Chair: Maarten Pinxten | Chair: Tom Goldfinch | Chair: Carla M.A. Pinto | Chair: Klara Kövesi on invitation only |
| 12:00pm | European Engineering Deans Council | Internal editors' meeting | | Liaison Meeting with Working Group Chairs | | Lunch 17 Sep | | | |
| - | Location: Ceremony Hall | Location: K I 94 | | Location: Ceremony Hall | | Location: First floor building K | | | |
| 1:00pm | Chair: Luis M. Sánchez Ruiz | on invitation only | | Chair: Yolande Berbers | | | | | |
| 1:00pm | Chair: Gerhard Müller | | | on invitation only | | | | | |
| - | on invitation only | | | | | | | | |
| 1:00pm | Plenary session: Should Engineering Students be treated as engineers? | | | | | | | | |
| - | Location: Building K aula | | | | | | | | |
| 2:30pm | Chair: Antonia Ioana Nanau | | | | | | | | |
| 2:30pm | Chair: Senne Meeusen | | | | | | | | |
| 2:30pm | Chair: Michael Noel Murphy | | | | | | | | |
| 2:30pm | Students challenge the industries | | | | | | | | |
| 2:00pm | Motivation of students in STEM Education | | | | | | | | |
| - | Location: K I 21 | | | | | | | | |
| 4:00pm | Chair: Joao Miguel Moita | | | | | | | | |
| 4:00pm | Chair: Silvia Marogel | | | | | | | | |
| 4:00pm | BEST workshop for students only | | | | | | | | |
| 4:00pm | limited participants | | | | | | | | |
| 2:30pm | Coffee/tea break 17 Sep afternoon | | | | | | | | |
| - | Location: First floor building K | | | | | | | | |
| 3:00pm | Discussions: New complexity quest in engineering sciences | Discussions: Diversity in Engineering Education? | Oral presentations: Integrated learning environments for the digital native learners | Oral presentations: New notions of interdisciplinarity in engineering education | Oral presentations: Mixed topics | Oral presentations: Open and online teaching and learning | SEFI Project Workshop 1: EBCC - Sustainable partnership | SEFI Project Workshop 2: EBCC - Product Design | |
| - | Location: K I 97 | Location: K I 34 | Location: K I 72 | Location: K I 95 | Location: K I 50 | Location: K I 55 | Chair: Ilmars Viksne | Chair: Santa Puskarjova | |
| 4:00pm | Chair: Jonte Bernhard | Chair: Gareth Thomson | Chair: Carlos Rioja | Chair: János Levendovszky | Chair: Pia Bøgelund | Chair: Csaba János Hős | | | |
| 4:00pm | Break | EBCC Workshop continues | | EBCC Workshop continues | | EBCC Workshop continues | | | |
| - | | | | | | | | | |
| 4:30pm | EBCC Workshop continues | EBCC Workshop continues | MathWorks Workshop: MATLAB in Teaching and | SEFI General Assembly | Workshop: Group Formation | Workshop: Inclusiveness | Workshop: K-12 Learning | Granta-Ansys Workshop: Life cycle engineering | JMP Workshop: Problem solving |
| - | | | | Location: K F 76 | Location: K I 97 | Location: K I 95 | Location: K I 55 | | |
| 6:00pm | | | | on invitation only | | | Chair: Joe Diaz | | |

Research

Location: **K I 50**

Chair:
**Alessandro
Tarchini**

Chair: **Sara Grex** Chair: **Gillian Nicola
Saunders-Smits**
Chair: **Hanne
Løje**

Location: **K I 96** Location: **K
I 34**
Chair: **Claes
Fredriksson** Chair:
Volker Kraft
Participants need
to bring laptops
with windows and
permission to
install Software.
Max 15
participants.

Date: Wednesday, 18/Sep/2019

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| 8:00am - | Registration desk opens and welcome coffee/tea - Wednesday Location: First floor building K | | | | | | | |
| 9:00am | | | | | | | | |
| 9:00am - | Keynote lecture: Jian Lin Location: Building K aula | | | | | | | |
| 9:45am | Chair: Balázs Vince Nagy | | | | | | | |
| 9:45am - | SEFI 2019 Group Picture | | | | | | | |
| 10:00am | | | | | | | | |
| 10:00am - | Coffee/tea break 18 Sep morning Location: First floor building K | | | | | | | |
| 10:15am | | | | | | | | |
| 10:00am - | SEFI meets ASEE Location: K I 96 on invitation only | | | | | | | |
| 11:00am | | | | | | | | |
| 10:15am - | Hungarian National Instruments - showcases of industry and academia Location: K I 95 Chair: Laszlo Csaba Abraham | Oral presentations: Diversity in Engineering Education? Location: K I 34 Chair: Sirin Tekinay | Oral presentations: New notions of interdisciplinarity in engineering education Location: K I 50 Chair: Jui Jen Chou | Oral presentations: Fundamentals of Engineering Education: Mathematics and Physics Location: K I 55 Chair: Juho Tiili | Oral presentations: Open and online teaching and learning Location: K F 73 Chair: Emma Lógó | Workshop: BEST Location: K I 72 Chair: Joao Miguel Moita | Workshop: Climate action Location: K F 72 Chair: Jussi-Pekka Teini | Workshop: Reviewing for Engineering Education Journals Location: K I 97 Chair: Kristina Edström |
| 11:55am | | | | | | | | |
| 12:00pm - | Lunch 18 Sep Location: First floor building K | | | | Lunch with SEFI Corporate Partners Location: Ceremony Hall on invitation only | | | |
| 1:00pm - | IACEE Workshop Location: K I 95 Chair: Soma Chakrabarti | Oral presentations: Diversity in Engineering Education? Location: K I 34 Chair: Ines Direito | Oral presentations: Lifelong Learning Location: K I 97 Chair: Sara Grex | Oral presentations: Mixed topics Location: K I 50 Chair: Klara Kövesi | Oral presentations: Talent Management Location: K I 55 Chair: Greet Langie | Workshop: Diverse class Location: K F 72 Chair: Becky Bergman | Workshop: Engineering Curriculum Location: K I 72 Chair: Natascha van Hattum-Janssen | Workshop: Research in (Inter) Action Location: K F 73 Chair: Jeroen Lievens |
| 2:40pm | | | | | | | | |
| 2:40pm - | Coffee/tea break 18 Sep afternoon Location: First floor building K | | | | | | | |
| 3:00pm | | | | | | | | |
| 3:00pm - | Maffioli Session Location: K I 96 Chair: Alexis FRANCOIS | | | | | | | |
| 4:20pm | | | | | | | | |
| 3:00pm - | Discussions mixed topics Location: K I 97 Chair: Jan van der Veen | Do it in practice - Oral presentations Location: K F 73 Chair: Hanne Løje | Oral presentations: Strong demand for democratic involvement in educational processes Location: K I 50 Chair: Tamas Kramer | Oral presentations: New notions of interdisciplinarity in engineering education Location: K I 55 Chair: Roland Tormey | Workshop: Cross collaboration Location: K F 79 Chair: Marc Laperrouza | Workshop: Digital learning Location: K I 95 Chair: Albert Aslan | Workshop: Future Engineer Location: K F 72 Chair: Anette Kolmos | Workshop: PREFER Location: K I 72 Chair: Mariana Leandro Cruz |
| 5:00pm | | | | | | | | |
| 5:00pm - | Editorial Board meeting for EJEE Location: K I 95 Chair: Kristina Edström on invitation only | | | | | | | |
| 6:00pm | | | | | | | | |

5:00pm Break

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7:00pm

7:00pm Gala Dinner & Award Ceremony

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Location: **Europa ship**

11:00pm

Date: Thursday, 19/Sep/2019

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|---------|---|---|---|---|--|---|---|--|
| 7:30am | Registration desk opens and welcome coffee/tea - Thursday | | | | | | | |
| - | Location: First floor building K | | | | | | | |
| 9:00am | | | | | | | | |
| 8:00am | PREFER meeting | | | | | | | |
| - | Location: K I 21 | | | | | | | |
| 11:00am | Chair: Maarten Pinxten on invitation only | | | | | | | |
| 9:00am | Keynote lecture: Xavier Kestelyn | | | | | | | |
| - | Location: Building K aula | | | | | | | |
| 9:45am | Chair: Balázs Vince Nagy | | | | | | | |
| 9:45am | Coffee/tea break 19 Sep | | | | | | | |
| - | Location: First floor building K | | | | | | | |
| 10:00am | | | | | | | | |
| 10:00am | Discussions | Oral presentations: | Oral presentations: | Oral presentations: | Oral presentations: | Oral presentations: | Oral presentations: | Oral presentations: |
| - | Interdisciplinarity | New complexity quest in engineering sciences | Diversity in Engineering Education? | Integrated learning environments for the digital native learners | Lifelong Learning | Fundamentals of Engineering Education: Mathematics and Physics | Mixed topics | Mixed topics |
| 11:00am | Location: K I 96 Chair: Rita Kiss | Location: K I 55 Chair: Gorkem Kulah | Location: K I 34 Chair: Gergely Vigh | Location: K I 72 Chair: Seweryn Spalek | Location: K I 97 Chair: Ellen Sjoer | Location: K I 50 Chair: Calvin David Rans | Location: K I 95 Chair: Tamás Koltai | Location: K F 76 Chair: Katriina Schrey-Niemenmaa |
| 11:00am | Conference Closing Ceremony | | | | | | | |
| - | Location: Building K aula | | | | | | | |
| 12:00pm | | | | | | | | |
| 12:00pm | Information session on SEFI ambassadors - open to all | | | | Lunch 19 Sep | | | |
| - | | | | | Location: First floor building K | | | |
| 1:00pm | | | | | | | | |
| 1:00pm | Board Of Directors Meeting | | | | | | | |
| - | Location: K I 97 | | | | | | | |
| 3:00pm | Chair: Michael Noel Murphy on invitation only | | | | | | | |
| 2:00pm | IACEE Council meeting Thursday | | | | | | | |
| - | Location: K I 96 | | | | | | | |
| 5:30pm | | | | | | | | |
| 2:15pm | Coffee/tea break for SEFI and IACEE conferences | | | | | | | |
| - | Location: First floor building K | | | | | | | |
| 3:45pm | | | | | | | | |

Date: Friday, 20/Sep/2019

9:00am IACEE Council meeting Friday
- Location: **K I 96**

12:30pm

10:00am City tour
- Location: **Budapest city centre**

12:00pm János Klaniczay
Hungarian Contemporary Architecture Centre